Welcome to STN International! Enter x:x

LOGINID:ssspta1656sxc

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 27	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985

NEWS EXPRESS	October 14 CURRENT WINDOWS VERSION IS V6.01, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *


FILE 'HOME' ENTERED AT 12:25:35 ON 18 OCT 2002

=> FIL BIOSIS MEDLINE EMBASE LIFESCI CAPLUS
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'BIOSIS' ENTERED AT 12:25:56 ON 18 OCT 2002
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FILE 'CAPLUS' ENTERED AT 12:25:56 ON 18 OCT 2002
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=> s polymerase(w)chain(w)reaction (s) hybridization
L1       31869 POLYMERASE(W) CHAIN(W) REACTION (S) HYBRIDIZATION

=> s l1 and multiplex
L2         355 L1 AND MULTIPLEX

=> s l2 and primer (2a) capture
L3           1 L2 AND PRIMER (2A) CAPTURE

=> d l3

L3   ANSWER 1 OF 1  BIOSIS  COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN   2001:307240  BIOSIS
DN   PREV200100307240
TI   A novel combined PCR and flow cytometric method for rapid identification
     of leukemia-specific gene fusions.
AU   Zhang, Qian-Yun (1); Garner, Kelly (1); Viswanatha, David S. (1)
CS   (1) Dept. of Pathology, University of New Mexico School of Medicine,
     Albuquerque, NM USA
SO   Blood, (November 16, 2000) Vol. 96, No. 11 Part 1, pp. 102a. print.
     Meeting Info.: 42nd Annual Meeting of the American Society of Hematology
     San Francisco, California, USA December 01-05, 2000 American Society of
     Hematology
     . ISSN: 0006-4971.
DT   Conference
LA   English
SL   English


=> dl3 abs
DL3 IS NOT A RECOGNIZED COMMAND
```

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d l3 abs

L3 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AB Detection of specific fusion genes arising from recurrent chromosomal translocations is of critical significance for the diagnosis and post-therapeutic monitoring of many acute leukemias. Methodology currently employed for this purpose includes fluorescence in situ **hybridization** (FISH) and reverse transcription **polymerase chain reaction** (RT-PCR) techniques. The latter approach allows for rapid and specific identification of chimeric fusion gene transcripts and is capable of high levels of detection sensitivity, useful for minimal residual disease (MRD) monitoring. However, RT-PCR and post-PCR analysis remains a laborious procedure in several regards. For example, Southern blot **hybridization** with a specific oligonucleotide probe is often employed following gel electrophoresis of the PCR products, to ensure reaction specificity. As a result, technical time can be substantial and overall assay completion may require at least two days. Here we present a novel methodology for the detection of chimeric leukemia-specific mRNA, using t(1;19)/E2A-PBX1 abnormality as a prototype. This method involves a single step RT-PCR to amplify the chimeric region from extracted tumor RNA. Following the PCR, the products are hybridized in solution phase to a fluorescently-labeled oligonucleotide probe, corresponding to the junctional region of the chimeric PCR product. An aliquot of **hybridization** reactants is then mixed with streptavidin-coated polystyrene beads. Biotinylation of one PCR **primer** allows **capture** of the fluorescent probe complex onto the beads. The presence of specific PCR products is then detected by flow cytometry. This method is technically facile and efficient. Less than four hours are required to complete the entire PCR and post-PCR analysis thus constituting a dramatic reduction in time as required by current methods. Target amplicons are identified with high specificity and absence of interference from non-specific amplification often inherent with PCR technique, as evidenced by results using a panel of negative control RNA samples from various hematopoietic cell lines. Notably, preliminary cell dilution experiments can detect 1 tumor cell in 10,000 background cells, demonstrating a high sensitivity for use in MRD assessment. This analytic method has the potential to become a rapid standard procedure for the detection and monitoring of a wide variety of translocation fusion genes in acute leukemia, particularly in a **multiplex** format.

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS SINCE FILE TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	20.60	20.81

STN INTERNATIONAL LOGOFF AT 12:30:04 ON 18 OCT 2002

L Number	Hits	Search Text	DB	Time stamp
1	39610	PCR or polymerase adj1 chain adj1 reaction	USPAT; US-PGPUB; DERWENT	2002/10/18 12:17
2	1728	(PCR or polymerase adj1 chain adj1 reaction) and multiplex	USPAT; US-PGPUB; DERWENT	2002/10/18 12:17
3	49655	((PCR or polymerase adj1 chain adj1 reaction) and multiplex) and hybridization or hybridiz$	USPAT; US-PGPUB; DERWENT	2002/10/18 12:18
4	1187	((PCR or polymerase adj1 chain adj1 reaction) and multiplex) and hybridization	USPAT; US-PGPUB; DERWENT	2002/10/18 12:18
5	11	(((PCR or polymerase adj1 chain adj1 reaction) and multiplex) and hybridization) and primer adj1 capture	USPAT; US-PGPUB; DERWENT	2002/10/18 12:19